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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,371	05/07/2001	Martin Sperber	7-15990.06.4	2387
26263	7590	05/10/2006	EXAMINER	
SONNENSCHN NATH & ROSENTHAL LLP			GLENN, KIMBERLY E	
P.O. BOX 061080				
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	
CHICAGO, IL 60606-1080			PAPER NUMBER	
			2817	

DATE MAILED: 05/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/851,371

Applicant(s)

SPERBER ET AL.

Examiner

Kimberly E. Glenn

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 25-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25-29, 31 and 37-39 is/are allowed.
- 6) ☒ Claim(s) 30 and 36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

The final rejection was been withdrawn.

#### ***Claim Objections***

Claims 25, 31 and 39 are objected to because of the following informalities:

Claims 25 and 31 recited  $N1 < N2$ , this appears to be a typographical error. The specification recites in paragraph [0024] that  $N1 > N2$ .

In claim 25, line 8 "about" should be changed to - -above- -.

Claim 39 depends upon a rejected claim. Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 30 and 36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With regards to claim 30, applicant states, "...the interface section is a resistive interface section comprising at least first and second resistor in series." Claim 29 already establishes the interface section as a resistive interface section (line 7 of claim 29). Examiner suggest the following correction:

30. A bi-directional access point according to claim 29, wherein the ~~interface section is a~~ resistive interface section comprising at least first and second resistors in series.

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Claim 36 recites the limitation "the access connection point " in line 8. There is insufficient antecedent basis for this limitation in the claim.

Applicant also recite a winding tap in line 10, is the tap the same transformer tap recited in line or a different tap?

***Allowable Subject Matter***

Claims 24-29, 31-35, 37-39 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: With regards to claims 25-28 and 31-34, the prior art of record does not disclose or fairly teach the transformer winding comprising N1 turns above the winding tap and N2 turns below the winding tap, where  $N1 > N2$ . With regards to claims 29 and 35, the prior art of record does not disclose or fairly teach the interface section being a resistive interface section. With regards to claims 37-39, the prior art of record does not disclose or fairly teach The impedance boost is commensurate with a preselected tap value ranging between  $-10\text{dB}$  and  $-30\text{dB}$ .

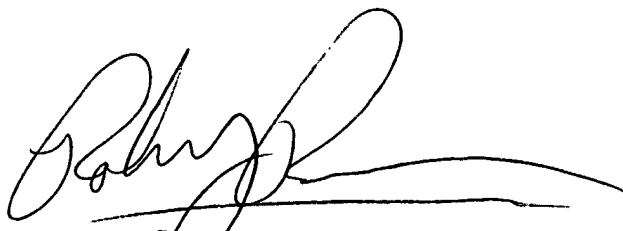
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly E. Glenn whose telephone number is (571)-272-1761. The examiner can normally be reached on Monday-Friday 7:30 to 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571)-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimberly E Glenn  
Examiner  
Art Unit 2817

4/28/06 keg



Robert Pascal  
Supervisory Patent Examiner  
Technology Center 2800